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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2010; month=3; day=30; hr=13; min=19; sec=28; ms=581; ]

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\*\*\*\*\*

Reviewer Comments:

<210> 19

<211> 9

<212> PRT

<213> Homo sapiens

400> 19

Thr His Ser Arg Ala Asp Arg Arg Glu

1

5

Please insert an (<) open bracket at Numeric Identifier <400>. Please check for similar errors and make all necessary changes.

\*\*\*\*\*

Application No: 10581431

Version No: 3.0

**Input Set:****Output Set:****Started:** 2010-03-30 11:02:20.775**Finished:** null**Elapsed:** null**Total Warnings:** 18**Total Errors:** 2**No. of SeqIDs Defined:** 72**Actual SeqID Count:** 19

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)

**Input Set:**

**Output Set:**

**Started:** 2010-03-30 11:02:20.775  
**Finished:** null  
**Elapsed:** null  
**Total Warnings:** 18  
**Total Errors:** 2  
**No. of SeqIDs Defined:** 72  
**Actual SeqID Count:** 19

Error code	Error Description
E 249	Order Sequence Error <213> -> <210>; Expected Mandatory Tag: <400> in SEQID ( 19 )

<110> The Scripps Research Institute

<120> INTEGRIN ALPHA.IIb.BETA.3 SPECIFIC ANTIBODIES AND PEPTIDES

<130> TSRI 1019.1 US

<140> 10581431

<141> 2010-03-30

<150> US 60/526,859

<151> 2003-12-03

<150> PCT/US2004/040381

<151> 2004-12-03

<160> 72

<210> 1

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> HCDR3 part

<400> 1

Cys Ser Phe Gly Arg Gly Asp Ile Arg Asn Cys

1 5 10

<210> 2

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> HCDR3 part

<400> 2

Gly Ser Phe Gly Arg Gly Asp Ile Arg Asn Gly

1 5 10

<210> 3

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>

<221> VARIANT

<222> (3,4,5,9,10,11)

<223> encoded by randomized DNA sequence: Ala, Cys, Asp, Glu,

Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,  
Thr, Val, Trp, Tyr

<400> 3

Val Gly Xaa Xaa Xaa Arg Ala Asp Xaa Xaa Xaa Tyr Ala Met Asp  
1 5 10 15  
Val

<210> 4  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> HCDR3 consensus part

<400> 4

Val Val Cys Arg Ala Asp Lys Arg Cys  
1 5

<210> 5  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> HCDR3 consensus part

<400> 5

Val Trp Cys Arg Ala Asp Arg Arg Cys  
1 5

<210> 6  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> HCDR3 consensus part

<400> 6

Val Trp Cys Arg Ala Asp Lys Arg Cys  
1 5

<210> 7  
<211> 9  
<212> PRT  
<213> Artificial Sequence

21

<210> 11  
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<212> DNA  
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<220>  
<223> primer DP-47N-term

<400> 11

gctgcccaac cagccatggc cgaggtgcag ctgttggagt ctgggggagg cttggta 57

<210> 12  
<211> 39  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> primer DP-47FR3

<400> 12

cactctcgca cagtaataca cggccgtgtc ctcggtct 39

<210> 13  
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<212> DNA  
<213> Artificial Sequence

<220>  
<223> primer lead-VH

<400> 13

ggccatggct ggttgggcag c 21

<210> 14  
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<212> DNA  
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<220>  
<223> primer dp-EX

<400> 14

gaggaggagg aggaggagag aagcgtagtc cggaacgtc 39

<210> 15  
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<220>  
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<400> 15  
  
aagacagcta tcgcgattgc agtg 24

<210> 16  
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<220>  
<223> primer leadB

<400> 16  
  
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<210> 17  
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<220>  
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<210> 18  
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<400> 18  
  
ggccatggct ggttgggcag c 21

<210> 19  
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400> 19  
Thr His Ser Arg Ala Asp Arg Arg Glu  
1 5

<210> 20



<211> 9  
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<220>  
<223> inversed RAD motif peptide

<400> 20

Val Val Cys Asp Ala Arg Arg Arg Cys  
1 5

<210> 21  
<211> 9  
<212> PRT  
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<220>  
<223> inversed RAD motif peptide

<400> 21

Thr His Ser Asp Ala Arg Arg Arg Glu  
1 5

<210> 22  
<211> 9  
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<220>  
<223> Synthetic Construct

<220>  
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Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,  
Thr, Val, Trp, Tyr

<400> 22

Xaa Xaa Xaa Arg Ala Asp Xaa Xaa Xaa  
1 5

<210> 23  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> RAD motif peptide

<400> 23

Cys Arg Ala Asp Val Pro Leu Cys  
1 5

<210> 24  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> RAD motif peptide

<400> 24

Cys Met Ser Arg Ala Asp Arg Pro Cys  
1 5

<210> 25  
<211> 16  
<212> PRT  
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<220>  
<223> CDR consensus part

<400> 25

Val Arg Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp  
1 5 10 15  
Val

<210> 26  
<211> 16  
<212> PRT  
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<220>  
<223> CDR consensus part

<400> 26

Val Arg Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp  
1 5 10 15  
Val

<210> 27  
<211> 16  
<212> PRT  
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<220>  
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<400> 27

Val Arg Val Trp Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp  
1 5 10 15  
Val

<210> 28  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
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<400> 28

Val Gly Val Val Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp  
1 5 10 15  
Val

<210> 29  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> CDR consensus part

<400> 29

Val Gly Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp  
1 5 10 15  
Val

<210> 30  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> CDR consensus part

<400> 30

Val Gly Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp  
1 5 10 15  
Val

<210> 31  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> CDR consensus part

<400> 31

Val	Gly	Val	Trp	Cys	Arg	Ala	Asp	Lys	Arg	Cys	Tyr	Ala	Met	Asp
1				5					10					15
Val														

<210> 32

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> RAD87 part

<400> 32

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1				5					10					15
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys
				65					70					75
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80					85					90
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp
				95					100					105
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr		
				110					115					

<210> 33

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> RAD9 part

<400> 33

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1				5					10					15
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys
				65					70					75
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80					85					90

Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp
				95					100					105
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr		
				110					115					

<210> 34  
<211> 118  
<212> PRT  
<213> Homo sapiens

<220>  
<223> RAD12 part

<400> 34

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1				5					10					15
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys
				65					70					75
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80					85					90
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp
				95					100					105
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr		
				110					115					

<210> 35  
<211> 118  
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<213> Homo sapiens

<220>  
<223> RAD34 part

<400> 35

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1				5					10					15
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys
				65					70					75
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80					85					90
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp

	95		100		105							
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr
	110								115			

<210> 36  
<211> 118  
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<213> Homo sapiens

<220>  
<223> RAD3 part

<400> 36

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Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys
				65					70					75
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80					85					90
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp
				95					100					105
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr		
				110					115					

<210> 37  
<211> 118  
<212> PRT  
<213> Homo sapiens

<220>  
<223> RAD32 part

<400> 37

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	His	Pro	Gly
1				5					10					15
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Val	Ser	Arg	Asp	Asn	Ser	Gln
				65					70					75
Ser	Thr	Ala	Tyr	Leu	Gln	Ile	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80					85					90
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Gly	Val	Trp	Cys	Arg	Ala	Asp
				95					100					105

Lys Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr  
110 115

<210> 38  
<211> 118  
<212> PRT  
<213> Homo sapiens

<220>  
<223> RAD88 part

<400> 38

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val His Pro Gly  
1 5 10 15  
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser  
20 25 30  
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu  
35 40 45  
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala  
50 55 60  
Asp Ser Val Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Gln  
65 70 75  
Ser Thr Ala Tyr Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr  
80 85 90  
Ala Val Tyr Tyr Cys Ala Arg Val Gly Val Trp Cys Arg Ala Asp  
95 100 105  
Lys Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr  
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<210> 39  
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<212> PRT  
<213> Homo sapiens

<220>  
<223> RAD1 part

<400> 39

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly  
1 5 10 15  
Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser  
20 25 30  
Phe Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu  
35 40 45  
Glu Trp Val Ser Gly Val Ser Ser Ser Gly Ile Thr Thr Tyr Tyr  
50 55 60  
Ala Ala Ser Val Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser  
65 70 75  
Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp  
80 85 90  
Thr Ala Val Tyr Tyr Cys Ala Arg Val Arg Thr His Ser Arg Ala  
95 100 105  
Asp Arg Arg Glu Tyr Ala Met Asp Val Trp Gly Gln Gly Thr

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<220>  
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Arg Gly Asp  
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<212> PRT  
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<220>  
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<400> 41

Arg Ala Asp  
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<210> 42  
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<212> PRT  
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<220>  
<223> RYD motif

<400> 42

Arg Tyr Asp  
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<210> 43  
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<212> PRT  
<213> Homo sapiens

<220>  
<223> RAD1 part

<400> 43

Thr His Ser Arg Ala Asp Arg Arg Glu  
1 5



<210> 44  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<223> RAD3 part

<400> 44

Val Val Cys Arg Ala Asp Arg Arg Cys  
1 5

<210> 45  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<223> RAD4 part

<400> 45

Val Trp Cys Arg Ala Asp Arg Arg Cys  
1 5

<210> 46  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<223> RAD9 part

<400> 46

Val Val Cys Arg Ala Asp Arg Arg Cys  
1 5

<210> 47  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<223> RAD11 part

<400> 47

Val Trp Cys Arg Ala Asp Arg Arg Cys  
1 5

<210> 48  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<223> RAD12 part

<400> 48

Val Val Cys Arg Ala Asp Arg Arg Cys  
1 5

<210> 49  
<211> 9  
<212> PRT  
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<220>  
<223> RAD32 part

<400> 49

Val Trp Cys Arg Ala Asp Lys Arg Cys  
1 5

<210> 50  
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<212> PRT  
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<220>  
<223> RAD34 part

<400> 50

Val Val Cys Arg Ala Asp Arg Arg Cys  
1 5

<210> 51  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<223> RAD87 part

<400> 51

Val Val Cys Arg Ala Asp Arg Arg Cys  
1 5

<210> 52  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<223> RAD88 part

<400> 52

Val Trp Cys Arg Ala Asp Lys Arg Cys  
1 5

<210> 53  
<211> 18  
<212> PRT  
<213> Homo sapiens

<220>  
<223> Anti-gp120 Fab part

<400> 53

Val Gly Pro Tyr Ser Trp Asp Asp Ser Pro Asp Gln Asn Tyr Tyr  
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